

# METHOD AND SYSTEM FOR DETECTION OF SOLID MATERIALS IN A PLASMA USING AN ELECTROMAGNETIC CIRCUIT

## Abstract

A method for solid material detection in a medium includes receiving an exhaust gas downstream with respect to a workpiece from which a photoresist material is removed. An electromagnetic circuit is configured to include the exhaust gas, the exhaust gas is excited with electromagnetic energy and an impedance value of the electromagnetic circuit is determined, wherein the impedance value corresponds to an amount of solid material within the exhaust gas.